Table 1: February 4, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Analyzing TRMM data. (Anselmo, Hess, Lee, Spence, Weaver) • Running SS1 Release 2.3 code on all TRMM Covers Open data at the SCF for use by analyst and downstream subsystems, until code is installed for operations at DAAC. (Snyder) • Continue monitoring TRMM operations. (Hess, Weaver) • Running Solar Angle program daily to get Beta angles, etc. for each day of data. (Filer) • Worked to find the problem with geolocation found by Chris Currey. The problem was found to be an incorrect map on Chris's part, but problems with utcpole.dat were also discovered. Continuing work to validate geolocation in SS1. (Anselmo, Hess, Lee, Spence, Weaver) • Ran tests using various utcpole.dat files to determine the error in predicted vs. actual utcpole data. Tests show that the difference for a 5 day predicted dataset is on the order of 1/100,000 of a degree. (Anselmo, Cooper) • Several EOS-AM1 Level-0 files were run through the Instrument subsystem. A problem with how the Level-0 file was reading EOS data was fixed and more data was run through the system. Initial analysis of the data looks good. (Cooper) • Working to update metadata code to standard. Attempts to use the CERESLIB FORTRAN 90 routines have been unsuccessful, due to handling of strings between Ada and F90. This effort was moved to the background for the moment, and updates to the C-routines are being made. (Rodier)	

Table 1: February 4, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
2.0	Chang	• Processed new 12/28/97, 01/05/98, 01/06/98, 01/12/98, 01/13/98, 01/15/98 pre ES-8 files through SS2 on thunder. (Chang) • Examined and updated the old ADMs version of Inversion code for TRMM data processing. (Chang) • Added beta angle calculation to the Inversion code. (Chang) • Wrote PCF ASCII input file generators, new PCF generators and new PGE scripts for CER2.2P1, CER2.2P2, CER2.2P3 and CER3.2P1. (Chang) • Next DAAC delivery of SS2 will be able to process more than one day of data at a time. ERBE data processing have to use different set of PCF generators and PGE scripts from now on. (Chang) • Had meeting with Maria and Alice on metadata files on 1/30. All MCF templates and write metadata routines in all the programs need to be modified. (Chang, Snell) • Scripts for QC, ES-8 and ES-4 plots need to be modified for the new PGE, PCF, and the new PGE, PCF file names. (Liu, Flug) • Made changes in Scene ID plot, replaced color labels to use html tag instead of bitmap in gif file to produce nice-looking font. (Liu) • Ported ES-8 plot code from samantha to thunder and edited the code to generate ES-8 plots without labels. (Liu) • Generated TRMM 12-28-97 ES-8 plots for the CERES public web page. (Liu) • Added the capability to display or download the entire QC plot package for the CERES ERBE-like Inversion QC plots Web application. (Flug) • Compared Albedo and LongWave Threshold results with original ERBE snow map files. Generated new southern hemisphere permanent snow maps. Conducting final tests of SS2.1P1. (Kizer) • Modified the ES-8 HDF-EOS read program to use HDF commands to read its metadata instead of using the CERESLIB readmeta routine. (Snell) • Added code to the ES-8 HDF-EOS read program to write an ES-8 HDF-EOS file back to ES-8 binary format. (Snell)	

Table 1: February 4, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
2.0	Chang	• Updated SS2 and SS3 PC file templates to new PGE, Log, and PC file names. (Snell) • Wrote new PCF ASCII input file and PCF generators for PGE 2.3P1. Modified PGE2.3P1 script. (Snell) • Created a 50-record ES-8 HDF-EOS file from 1998/01/01 ES-8 to use as an example in the ES-8 User's Guide. (Snell)	
3.0	Chang	• Combined with above.	
4.1	Murray	• Re-wrote validated and delivered the VIRS reflectance calculation in the VIRS module. (Sun-Mack) • Finished integrating new VINT package into the production code. (Sun-Mack) • Worked with Jay and Qing CERESmask extensively. Implemented Cloud Mask Type C test (sunglint and CiTest). (Sun-Mack) • Convert Brightness Temp StD data base and code from relative to absolute (in K). (Sun-Mack) • Worked to prioritize and began implementing modifications to the CloudVis DX modules. (Sun-Mack, Gibson) • Completed validation of Snow and Ice Pre-processing. (Murray) • Delivered the Clouds/convolution code to CM for testing. Redelivered to CM as problems were identified and corrected. Incorporated changes to PCFile generation system to accommodate change to ValidationR1. (Murray) • Produced CloudVis files for Chris Currey. (Murray)	
4.2	Murray	• Combined with above.	
4.3	Murray	• Combined with above.	

Table 1: February 4, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.4	McKinley	• Delivered Convolution to CM with updated Delivery Memo and Test Plan. (McKinley, Miller) • Worked with CM to resolve discrepancies between runs. Discovered a statement that incorrectly indexed the array. (Miller, McKinley) • Modified VIRS read program to work with TMI data and delivered to Bing. (Miller) • Modified IES read routines to agree with newly defined variable buffer. (McKinley, Miller, Cooper) • Continued validation of the TRMM SSF using DX and IDL. (McKinley, Miller) • Continued investigation on the lack of equal coverage of footprint as a function of relative azimuth angle(?). (Miller, McKinley) • Produced daily summary of the Narrowband Longwave Tropical Constant for last 21 days of October using AVHRR. (Miller)	

Table 1: February 4, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.5	Nolan	• Added a thermal shortwave (SW) radiance adjustment algorithm to the Subsystem 4.5 software and modified existing code to use the adjusted SW value. (Nolan) • Updated the PCF and ASCII input file generators to use command line variables and use the new file naming conventions. (Nolan) • Updated the CERES TRMM Spectral Correction Coefficient file to include new 3 channel consistency check and thermal SW adjustment coefficients. (Nolan) • Initiated work to modify software and Test Plan for Subsystem 4.5-6 Release 2.2 Delivery. (Nolan and Franklin) • Completed work to modify the ssf2hdf code to add the units attributes to the SSF parameters on the HDF file's SDSs. (Franklin) • Continued work to modify the ssf2hdf code to add dimension names to the SDSs. (Franklin) • Completed a first draft of a code that will read an SSF HDF file using an example code provided by Subsystem 1. (Franklin) • Continued work on the CERES Inversion home page and the SSF Data Validation Web site. Developed a Web-based interface to the SSF listing software. (Flug)	
4.6	Nolan	• Combined with above.	
5.0	Coleman	• Started working on a post-processor to convert binary CRS files into HDF CRS files. (Gupta)	
7.2	Coleman	• Combined with above.	
12.0	Coleman	• TK 5.2.1 version of SubSystem 12.0 was delivered to the DAAC. • Continue with DX Explorer and IDL software to graphically show MOA data. • Generated and supplied DAAC with software for preprocessing of NCEP Surface Flux files to extract backup Surface Temperature input data.	
7.1	Jimenez	• Combined with below.	

Table 1: February 4, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
8.0	Jimenez	• Combined with below.	
10.0	Jimenez	• Completed the Release 2 Data Products Catalogs for the TISA Averaging HDF-EOS output products. (Jimenez, Al-Hajjah, Raju) • Modifying and writing test routines in order to verify subsystem code. (Raju)	
6.0	McKoy	• Validating and testing changes made to the TISA Gridding software. (McKoy). • Preparing the TISA Gridding software for its next delivery. (McKoy). • Began working on read software for the TISA Gridding products. (McKoy, Nguyen)	
9.0	McKoy	• Combined with above.	
11.0	Stassi/ Fan	• Modified post-processor to read satellite information prior to reading the hourbox data. This allows the program to pre-assign regions of the earth to particular satellites, thus preventing the satellite overlap regions from getting data from a secondary satellite if the image from the primary satellite is missing. Tak had requested this change to keep the overlap regions from having mixed data during the month. (Stassi) • Continued creating Object Model diagrams and Object Interaction diagrams in StP for the GGEO post-processor. (Stassi)	

Table 1: February 4, 1998 - Subsystem Status.

SS No.	SS Lead	Status	Problems
CERESlib	Stassi/ Fan	• Reviewed all .met files to collect PSAs; worked with subsystems to resolve mistakes in the .met files. (Mitchum, Fan) • Modified meta_util.f90 to 1) change CC code form 5 digit to 6 digits, 2) change both Software and Ancillary CC code to 3 digits, 3) add NumberInputFiles to Inventory group, 4) add three (total, window, shortwave) SensorShortName. There is no changes in the PGE code. (Fan) • TK5.2.2 and HDF-EOS 2.2 will be released next month. We need this version for the InputPointer with large number of input files. There is no known impact to the PGE code. (Fan) • Installed TK5.2.1 on SUNs. Problems were discovered during testing. Some additional load flags were necessary for the Fortran compiler to be able to see all the necessary libraries. (Wallner, Puckett, Stassi)	
CM	Ayers	• Delivered CERES Subsystems 7.2 (Synoptic SARB), 1.0 (Instrument), 12.0 (Regrid MOA) and 4.1 - 4.4 (Clouds) to the DAAC. (Ayers)	
IST	Flug	• No new updates.	